

Unwanted tripping of leakage current circuit breaker on induction hob with Tiger power board

DESCRIPTION:

There are home electrical installations in which a single 30mA leakage circuit breaker (ELCB) protects customer entire power supply. Due to combination of standard Tiger leakage current and leakage currents of other appliances in the installation, it is possible to exceed that value. As a result, the circuit breaker will disengage after hob installation.

SOLUTION:

Leakage current of the hob must be limited to 1,5mA by using additional capacitors. A kit of capacitors and connectors needed for this intervention is available as spare part 4055175865. It consists of:

- 2 wired capacitors
- 2 in line connectors

The installation procedure is described below:

1. Remove the ceramic glass from the top.
2. Remove hob components to gain unobstructed access to Tiger power boards.

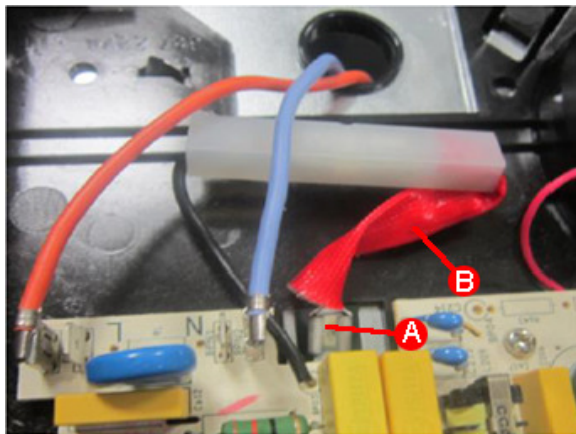


Fig. 1 Situation before mounting the capacitor

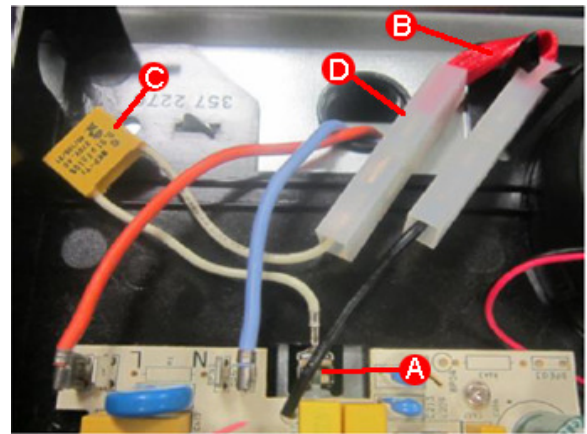


Fig. 2 After service kit application

- A - frame's earth connection
- B - resistor 100hm (present in appliance)
- C - 10nF capacitor (provided in service kit)
- D - in-line connector (provided in service kit)

3. Disconnect the resistor (B) wire from point (A) and insert it into the in-line connector (D).
4. Insert one wire of a 10nF capacitor (C) into the other end of the in-line connector (D).
5. Connect the remaining wire of the capacitor (C) to the frame's earth connection (A).
6. Repeat steps 3 to 5 for the second Tiger power board.
7. Reassemble the hob.

SPARE PART NUMBER:

Service kit number	Contents	Description
4055175865		Service kit, leakage current
	2x 3871094003	Cable connector, in-line
	2x 5617411003	Capacitor with connection wiring

QES CODE:

During the intervention, please use:

Component	850
Defect	50

MODELS INVOLVED:

This solution is valid for all induction modules with Tiger power boards produced in Świdnica, Poland.

REVISION:

Revision	Date	Description	Author	Approved by - on
00	12/2016	Document Creation	Marcin Kobiałka	Tomasz Olechno - 2016-12-14